

PTO-1449 Information Disclosure Citation In an Application	Application No. 10/615,885		Applicant(s) Baofu Duan et al.	
	Docket Number 063170.7183	Group Art Unit 2834 2629 Confirmation No.: 9839	Filing Date July 8, 2003	

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
J							
K							
L							

	OTHER DOCUMENTS (Including Author, Title, Source, and Pertinent Pages)					DATE
DM	M	I. E. Frank; "Modern Nonlinear Regression Methods": Chemometrics and Intelligent Laboratory Systems, vol. 27; Pages 1-19				1995
DM	N	Hwang, et al; "Hierarchical Discriminant Regression"; IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 22, no. 11, Pages 1277-1293; XP-002302472				November 2000
DM	O	Jain, et al; "Feature Selection: Evaluation, Application, and Small Sample Performance"; IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 19, no. 2; Pages 153-158; XP-002294891				February 1997
DM	P	E. Krusinska; "Two Step Semi-Optimal Branch and Bound Algorithm for Feature Selection in Mixed Variable Discrimination"; 1023 Pattern Recognition, vol. 22, no. 4, Head. Hill Hall, Oxford, GB; Pages 455-459; XP-000046518				1989
DM	Q	P. M. Narandra et al.; "A Branch and Bound Algorithm for Feature Subset Selection"; IEEE Transactions on Computers, vol. C-26, no. 9; Pages 917-922; XP-0000647423				September 1977
DM	R	Communication pursuant to Article 96(2) EPC (Appln. No. 04 777 558.0-1224)				June 1, 2006
	S					

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DAL01:923941.1

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**Information Disclosure Citation
In an Application**

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
DM	A	2004/0019574	01/29/2004	Meng et al.	706	15	04/18/2003
	B						
	C						
	D						
	E						
	F						
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	H						
	I						
	J						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
DM	K	WO 2005/008571	01/27/2005	PCT	G06K	9/62	X	
	L							
	M							
	N							
	O							

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
DM	P	PCT Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration, for International Application No. PCT/US2006/007158, 13 pages.	07/10/2006
DM	Q	Hall et al.; "Benchmarking Attribute Selection Techniques for Discrete Class Data Mining"; Knowledge and Data Engineering, vol. 15, no. 6; Pages 1437-1447; XP-002387331.	11/6/2003
DM	R	P. Perner; "Improving the Accuracy of Decision Tree Induction by Feature Pre-Selection"; Applied Artificial Intelligence, vol. 15, no. 8; Pages 747-760; XP-002387332.	2001
DM	S	R. L. DeMantaras; "A Distance-Based Attribute Selection Measure for Decision Tree Induction"; Machine Learning, vol. 6; Pages 81-92; XP-008065823.	1991

EXAMINER /Daniel Mariam/	DATE CONSIDERED 10/25/2006
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Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. 0655/69387	Serial No. 10/615,885
	Applicants: Baofu DUAN et al.	
	Filing Date: July 8, 2003	Group Art Unit:

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FOREIGN PATENT DOCUMENTS

		Document Number							Date	Country	Class	Subclass	Translation	
													Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DM	November 11, 2004 International Search Report in connection with International Application No. PCT/US2004/021511 which corresponds to the above-identified application.
DM	Narendra, P.M. et al. (September 1977) "A Branch and Bound Algorithm for Feature Subset Selection", IEEE Transactions On Computers, Vol. C-26, No. 9, pgs. 917-922.
DM	Krusinska, E. (1989) "Two Step Semi-Optimal Branch And Bound Algorithm For Feature Selection In Mixed Variable Discrimination", Pattern Recognition, Vol. 22, No. 4, pgs. 455-459.
DM	Frank, I.E. (1995) "Modern nonlinear regression methods", Chemometrics and Intelligent Laboratory Systems, Vol. 27, pgs. 1-19.
DM	Jain, A. et al. (February 1997) "Feature Selection: Evaluation, Application, and Small Sample Performance", IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 19, No. 2, pgs. 153-158.
DM	Hwang, W-S et al. (November 2000) "Hierarchical Discriminant Regression", IEEE Transactions On Pattern Analysis and Machine Intelligence, Vol. 22, No. 11, pgs. 1277-1293.

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U.S. PATENT DOCUMENTS									
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate			
DM ↓ ↓ ↓ ↓ ↓ V DM	4 1 9 3 1 1 5	3-11-80	Albus						
	4 2 1 5 3 9 6	7-29-80	Henry et al.						
	4 4 3 8 4 9 7	3-20-84	Willis et al.						
	4 6 4 9 5 1 5	3-10-87	Thompson et al.						
	4 6 6 3 7 0 3	5-5-87	Axelby et al.						
	4 6 7 0 8 4 8	6-2-87	Schramm						
	4 7 4 0 8 8 6	4-26-88	Tanifuji et al.						
	4 7 5 4 4 1 0	6-28-88	Leech et al.						
	4 8 5 8 1 4 7	8-15-89	Conwell						
DM	4 9 2 8 4 8 4	5-29-90	Peczowski						

FOREIGN PATENT DOCUMENTS									
Document Number	Date	Country	Class	Subclass	Translation				
					Yes	No			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
DM	Surajit Chaudhuri, Usama Fayyad and Jeff Bernhardt, "Scalable Classification over SQL Databases", <u>Proceedings of the 15th International Conference on Data Engineering</u> , 23-26 March 1999, Sidney, Australia, pp. 470-479;
DM	Dennis T. Lee, Yoh-Han Pao and Dejan J. Sobajic "Dynamic System Control Using Neural Networks", pp.25-30;
DM	Yoh-Han Pao "Neural Net Computing For Patter Recognition" <u>Handbook of Pattern Recognition, and Computer Vision</u> , pp. 125-162 (edited by C.H. Chen, L.F. Pau and P.S.P. Wang);
DM	Bernard Widrow, Narendra K. Gupta, and Sidhartha Maitra (September 1973) "Punish/Reward: Learning With a Critic in Adaptive Threshold Systems", <u>IEEE Trans. Systems, Man and Cybernetics</u> , Vol. SMC-3, No. 5, pp. 455-465;
DM	John A. Hartigan, (1975) "Interpretation and Evaluation of Clusters", <u>Clustering Algorithms</u> , pp. 12-14;
DM	Yoh-Han Pao and Dejan J. Sobajic (1987) "Metric Synthesis and Concept Discovery With Connectionist Networks", <u>1987 IEEE</u> , pp. 390-395;
DM	Bernard Widrow and Rodney Winter (March 1988) "Neural Nets for Adaptive Filtering and Adaptive Pattern Recognition", <u>IEEE Computer</u> , pp. 25-39;

EXAMINER	DATE CONSIDERED
/Daniel Mariam/	10/25/2006

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U.S. PATENT DOCUMENTS																			
Examiner Initial		Document Number							Date		Name		Class		Subclass		Filing Date if Appropriate		
DM		4	9	7	2	3	6	3	11-20-90	Nguyen et al.									
↓		4	9	7	9	1	2	6	12-18-90	Pao et al.									
↓		4	9	9	4	9	8	2	2-19-91	Duranton et al.									
↓		5	0	2	3	0	4	5	6-11-91	Watanabe et al.									
↓		5	0	5	2	0	4	3	9-24-91	Gaborski									
↓		5	1	1	1	5	3	1	5-5-92	Grayson et al.									
↓		5	1	1	3	4	8	3	5-12-92	Keeler et al.									
↓		5	1	1	9	6	4	8	6-2-92	Owens									
↓		5	1	4	0	5	2	3	8-18-92	Frankel et al.									
DM		5	1	4	2	6	1	2	8-25-92	Skeirik									
FOREIGN PATENT DOCUMENTS																			
		Document Number							Date		Country		Class		Subclass		Translation		
																	Yes No		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)																			
DM		Bernard Widrow, Rodney G. Winter, and Robert A. Baxter (July 1988) "Layered Neural Nets for Pattern Recognition", IEEE Trans. Acoustics, Speech, and Signal Processing, Vol. 36, No. 7, pp. 1109-1118;																	
DM		Yoh-Han Pao, (1989) Adaptive Pattern Recognition and Neural Networks;																	
DM		Andrew G. Barto (1990) "Connectionist Learning for Control", Neural Networks for Control, pp. 5-58 (edited by W. Thomas Miller, III, Richard S. Sutton and Paul J. Werbos);																	
DM		R.D. Coyne and A.G. Postmus (1990) "Spatial Applications of Neural Networks in Computer-aided Design", Artificial Intelligence in Engineering, 5(1):9-22;																	
DM		Kumpati S. Narendra and Kannan Parthasarathy (March 1990) "Identification and Control of Dynamical Systems Using Neural Networks", IEEE Trans. Neural Networks, Vol. 1, No. 1, pp. 4-27;																	
DM		Maryhelen Stevenson, Rodney Winter, and Bernard Widrow (March 1990) "Sensitivity of Feedforward Neural Networks to Weight Errors", IEEE Trans. Neural Networks, Vol. 1, No. 1, pp. 71-80;																	
DM		Esther Levin, Naftali Tishby, and Sara A. Solla (October 1990) "A Statistical Approach to Learning and Generalization in Layered Neural Networks", Proc. IEEE, Vol. 78, No. 10, pp. 1568-1574;																	
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